

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A variable inner volume ratio-mode inverter screw compressor comprising:
 - a variable inner volume ratio valve (19) changing completion time of a compression step in a screw compression section (39) to make inner volume ratio variable;
 - an electric motor (11) rotationally driving the screw compression section (39); and
 - an inverter (15) controlling rotational frequency of the electric motor (11) corresponding to a load.

2. (Currently Amended) The variable inner volume ratio-mode inverter screw compressor as set forth in claim 1, comprising:
 - a control section (36, 51, 27, 28) controlling an opening degree of the variable inner volume ratio valve (19) based on suction side pressure and discharge side pressure of the screw compression section (39) and rotational frequency of the electric motor (11).